Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	D. none of these
2	The set (Z, +) forms a group	A. Forms a group w.r.t addition B. Forms a group w.r.t multiplication C. Non commutative group w.r.t multiplication D. Doesn't form a group
3	Question Image	
4	Question Image	
5	Question Image	D. none of these
6	Every real number is	A. a positive integer B. a rational number C. a negative integer D. a complex number
7	The roots of ax2+bx+c=0 are	A. Rational ⇔ b2 -4 ac ≥ 0 B. Irrational ⇔ b2-4 ac > 0 C. Real ⇔ b2-4 ac ≠ 0 D. Rational⇔ b2-4 ac = 0
8	A polynomial P(x)has a factor (x-a)if P(a) =	A. a B. x C. 1 D. 0
9	In the interval 0≤ x ≤ π, the sine is	A. Not a function B. Not defined C. Infinity D. Not one-to-one function
10	Question Image	
11	The number of subsets of B = {1,2,3,4,5}	A. 10 B. 32 C. 16 D. 5
12	The distance between the points A(-8,3) and B(2,-1) is	B. 116 D. none of these
13	For any two sets A and, A ⊆ B if	A. x ∈ A ⇒ x ∈ B B. x ∉ A ⇒ x ∉ B C. x ∈ A ⇒ x ∉ B D. None of these
14	Question Image	
15	Range of sec x is _____	A. [-1, 1] B. R C. Negative real numbers D. R = {x | -1 < x < 1}
16	The common ration of a geometric sequence cannot be	A. 0 B. 1 C. 2 D. 3
17	There are two middle terms in the expansion of (a+x)n if n is	A. Even +ve integer B. +ve integer C. Odd +ve integer D. All
18	Question Image	A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
19	Question Image	A. perpendicular vectors B. parallel vectors C. concurrent vectors

		D. none of these
20	Question Image	A. cot x + c B. tan x + c C. -cot x + c D. -tan x + c